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codeword with ECC or error correction code

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Patents

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Disk drive with **error code** embedded sector

identification

US Pat. 5640286 - Filed May 8, 1995 - Western Digital Corporation

- ... through the ECC ware error correction code syndromes and hardware error check
- ... the complete **codeword** is software **error correction code** syndromes when ...

Disk drive with fast error correction validation

US Pat. 5691994 - Filed May 8, 1995 - Western Digital Corporation

The EDC span of the **codeword**, which does not **correction code** syndromes to the stored **error correction** include the **ECC** check symbols, is shifted through the ...

Error correction code processor employing adjustable correction power for ...

US Pat. 6272659 - Filed May 18, 1998 - Cirrus Logic, Inc.

An error correction code (ECC) method for correcting able limit value to a minimum value if a second predeter- errors in binary data of an ECC codeword, ...

ECC system employing a data buffer for storing codeword data and a syndrome ...

US Pat. 5996105 - Filed Nov 14, 1997 - Cirrus Logic, Inc.

The **error correction** processor as recited in claim 4, wherein the number of ... of the product **code**; (d) an **ECC** syndrome generator for reading a **codeword** ...

Disk drive with embedded finite field processor for error correction

US Pat. 5812564 - Filed May 8, 1995 - Western Digital Corporation

During a disk read operation, the complete **codeword** is software **error correction code** syndromes when the detected 25 created by the channel controller 128 ...

Shift correcting code for channel encoded data

US Pat. 5220568 - Filed Nov 9, 1989 - Eastman Kodak Company

The shift **correction** system of claim 17 wherein each shift **error** in a given ... an **ECC codeword** having N symbols; and an **error correction code** (**ECC**) decoder ...

Disk drive with pipelined embedded ECC/EDC controller which provides ...

US Pat. 5689727 - Filed May 8, 1995 - Western Digital Corporation

- ... through the ECC ware error correction code syndromes and hardware error check
- ... the complete **codeword** is software **error correction code** syndromes when ...

Error correction and detection system for mass storage controller

US Pat. 6003151 - Filed Mar 24, 1997 - Mediatek Inc.

Data **correction** is accomplished in the transfer of data 5 from a CD-ROM storage disk by the **error correction code** (**ECC**), which is preferably a Reed-Solomon ...

Verifying write operations in a magnetic disk drive

US Pat. 5909334 - Filed May 10, 1996 - Western Digital Corporation

When the disk reads the **codeword**, **error** detection **code** logic produces a set ... for an interleaving of the **error correction code** generation such that three ...

Concurrent generation of ECC error syndromes and CRC validation syndromes in ...

US Pat. 5991911 - Filed Nov 14, 1997 - Cirrus Logic, Inc.

The more redundancy symbols employed in an **error correction code**, the larger the buffer around the **codeword** and the more noise that can be tolerated before ...

codeword with ECC or error correction code

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